

04-23-01  
EXPRESS MAIL LABEL NO. EL 730687613US

PTO/SB/50 (02-01)

Approved for use through 01/31/2004. OMB 0651-0033  
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# REISSUE PATENT APPLICATION TRANSMITTAL

Address to:

Assistant Commissioner for Patents  
Box Reissue  
Washington, DC 20231

Attorney Docket No.	HAL-11303/04
First Named Inventor	Toshiharu Nogi
Original Patent Number	5,894,832
Original Patent Issue Date (Month/Day/Year)	04/20/99
Express Mail Label No.	

APPLICATION FOR REISSUE OF:  
(Check applicable box)

☒ Utility Patent ☐ Design Patent ☐ Plant Patent

## APPLICATION ELEMENTS (37 CFR 1.173)

- ☒ Fee Transmittal Form (PTO/SB/56)  
(Submit an original, and a duplicate for fee processing)
- ☐ Applicant claims small entity status. See 37 CFR 1.27.
- ☒ Specification and Claims in double column copy of patent format (amended, if appropriate)
- ☒ Drawing(s) (proposed amendments, if appropriate)
- ☒ Reissue Oath/Declaration (original or copy)  
(37 C.F.R. § 1.175) (PTO/SB/51 or 52)
- ☒ Power of Attorney
- Original U.S. Patent currently assigned? ☒ Yes ☐ No  
(If Yes, check applicable box(es))  
☒ Written Consent of all Assignees (PTO/SB/53)  
☒ 37 C.F.R. § 3.73(b) Statement (PTO/SB/96)
- ☐ CD-ROM or CD-R in duplicate, Computer Program (Appendix) or large table
- Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all of the following are necessary)
  - ☐ Computer Readable Form (CFR)
  - Specification Sequence Listing on:
    - ☐ CD-ROM (2 copies) or CD-R (2 copies); or
    - ☐ paper
  - ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

- ☒ Statement of status and support for all changes to the claims. See 37 CFR 1.173 (c).
- ☐ Original U.S. Patent for surrender
  - ☐ Ribboned Original Patent Grant
  - ☐ Statement of Loss (PTO/SB/55)
- ☐ Foreign Priority Claim (35 U.S.C. 119) (if applicable)
- ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
- ☐ English Translation of Reissue Oath/Declaration (if applicable)
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
- Other: .....

## 18. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label **25006** or ☐ Correspondence address below  
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NAME (Print/Type)	Douglas W. Sprinkle	Registration No. (Attorney/Agent)	27,394
Signature	<i>[Signature]</i>	Date	4/20/01

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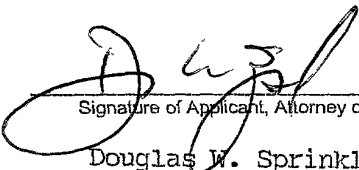
## EXPRESS MAIL LABEL NOEL730687613US

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REISSUE APPLICATION FEE TRANSMITTAL FORM						Docket Number (Optional) HAL-11303/04		
Claims as Filed - Part 1								
Claims in Patent		Number Filed in Reissue Application	(3) Number Extra	Small Entity		Other than a Small Entity		
				Rate	Fee	Rate	Fee	
(A) 36	Total Claims (37 CFR 1.16(j))	(B) 100	**** 64 =	x \$ _____ =		or	x \$18 = \$1152	
(C) 5	Independent claims (37 CFR 1.16(i))	(D) 48	* 43 =	x \$ _____ =			x \$80 = \$3440	
Multiple Dependency Fee \$270				Basic Fee (37 CFR 1.16(h)) \$710			\$ 980	
Total Filing Fee \$						OR	\$ 5572	
Claims as Amended - Part 2								
	(1) Claims Remaining After Amendment		(2) Highest Number Previously Paid For	(3) Extra Claims Present	Small Entity		Other than a Small Entity	
					Rate	Fee	Rate	Fee
Total Claims (37 CFR 1.16(j))	***	MINUS	**	* =	x \$ _____ =		x \$ _____ =	
Independent Claims (37 CFR 1.16(i))	***	MINUS	*****	=	x \$ _____ =		x \$ _____ =	
Total Additional Fee \$						OR	\$	
<p>* If the entry in (D) is less than the entry in (C), Write "0" in column 3.</p> <p>** If the "Highest Number of Total Claims Previously Paid For" is less than 20, Write "20" in this space.</p> <p>*** After any cancellation of claims.</p> <p>**** If "A" is greater than 20, use (B - A); if "A" is 20 or less, use (B - 20).</p> <p>***** "Highest Number of Independent Claims Previously Paid For" or Number of Independent Claims in Patent (C).</p> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p><input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of _____ A duplicate copy of this sheet is enclosed.</p> <p><input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 or 1.17 which may be required, or credit any overpayment to Deposit Account No. <u>07-1180</u>. A duplicate copy of this sheet is enclosed.</p> <p><input checked="" type="checkbox"/> A check in the amount of \$ _____ to cover the filing / additional fee is enclosed.</p> <p><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.</p> <p style="text-align: center;"><b>WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</b></p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="text-align: center;"> <p><u>4/20/01</u> Date</p> </div> <div style="text-align: center;"> <p> Signature of Applicant, Attorney or Agent of Record Douglas W. Sprinkle Reg. No. <u>27,594</u></p> </div> </div>								

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**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Toshiharu Nogi, Frank W. Hunt

Application No./Patent No.: 5,894,832 Filed/Issue Date: 04/20/99

Entitled: Cold Start Engine Control Apparatus and Method

Hitachi America, Ltd., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Toshiharu Nogi, Frank W. Hunt To: Hitachi America, Ltd.

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_

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3. From: \_\_\_\_\_ To: \_\_\_\_\_

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☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

X 4/18/99  
Date

X Philip H. Omsberg

Typed or printed name

X Philip H. Omsberg  
Signature

X Exec Vice President & Gen Counsel

Title

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